



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101700971B
Source: FEW
Date Processed by STIC: 12-8-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/700,971 B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing
- 6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading.)
(xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11 Use of <220>

Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 00701/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.



IFWO

RAW SEQUENCE LISTING

DATE: 12/08/2004

PATENT APPLICATION: US/10/700,971B

TIME: 16:00:12

Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\12072004\J700971B.raw

3 <110> APPLICANT: Manoharan, Muthiah
 4 Baker, Brenda
 5 Eldrup, Ann
 6 Bhat, Balkrishen
 7 Griffey, Richard H.
 8 Swayze, Eric E.
 9 Crooke, Stanley T.
 12 <120> TITLE OF INVENTION: Conjugated Oligomeric Compounds and Their Use in Gene
 13 Modulation
 15 <130> FILE REFERENCE: US 10/700,971
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/700,971B
 18 <141> CURRENT FILING DATE: 2003-11-04
 20 <150> PRIOR APPLICATION NUMBER: US 10/616,241
 21 <151> PRIOR FILING DATE: 2003-07-09
 23 <150> PRIOR APPLICATION NUMBER: US 60/423,760
 24 <151> PRIOR FILING DATE: 2002-11-05
 26 <150> PRIOR APPLICATION NUMBER: US 10/078,949
 27 <151> PRIOR FILING DATE: 2002-02-20
 29 <150> PRIOR APPLICATION NUMBER: US 09/479,783
 30 <151> PRIOR FILING DATE: 2000-01-07
 32 <150> PRIOR APPLICATION NUMBER: US 08/870,608
 33 <151> PRIOR FILING DATE: 1997-06-06
 35 <150> PRIOR APPLICATION NUMBER: US 08/659,440
 36 <151> PRIOR FILING DATE: 1996-06-06
 39 <160> NUMBER OF SEQ ID NOS: 26
 41 <170> SOFTWARE: PatentIn version 3.2
 43 <210> SEQ ID NO: 1
 44 <211> LENGTH: 16
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Antennapodia helix 3 Antp-HD
 51 <400> SEQUENCE: 1
 53 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 54 1 5 10 15
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 13
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Artificial Sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: HIV Tat fragment
 66 <400> SEQUENCE: 2
 68 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln

Does Not Comply
 Corrected Diskette Needed
 (pg.5)

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74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Transporton: chimeric galanin and mastoporan
80 <400> SEQUENCE: 3
82 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Ile Asn Leu
83 1          5          10          15
85 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
86          20          25
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 34
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Peptide - HSV VP22
97 <400> SEQUENCE: 4
99 Asp Ala Ala Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr
100 1          5          10          15
102 Glu Arg Pro Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro
103          20          25          30
105 Val Glu
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 18
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Amphiphilic peptide
116 <400> SEQUENCE: 5
118 Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
119 1          5          10          15
121 Leu Ala
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 27
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Signal sequence based peptide I
132 <400> SEQUENCE: 6
134 Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly
135 1          5          10          15
137 Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
138          20          25
141 <210> SEQ ID NO: 7
142 <211> LENGTH: 16
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence

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146 <220> FEATURE:
 147 <223> OTHER INFORMATION: Signal sequence based peptide II
 149 <400> SEQUENCE: 7
 151 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
 152 1 5 10 15
 155 <210> SEQ ID NO: 8
 156 <211> LENGTH: 7
 157 <212> TYPE: PRT
 158 <213> ORGANISM: Artificial Sequence
 160 <220> FEATURE:
 161 <223> OTHER INFORMATION: SV40 antigen T nuclear localization signal
 163 <400> SEQUENCE: 8
 165 Pro Lys Lys Lys Arg Lys Val
 166 1 5
 169 <210> SEQ ID NO: 9
 170 <211> LENGTH: 4
 171 <212> TYPE: PRT
 172 <213> ORGANISM: Artificial Sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: Platelet activitating factor receptor of neutrophils
 177 <400> SEQUENCE: 9
 179 Met Leu Phe Tyr
 180 1
 183 <210> SEQ ID NO: 10
 184 <211> LENGTH: 15
 185 <212> TYPE: PRT
 186 <213> ORGANISM: Artificial Sequence
 188 <220> FEATURE:
 189 <223> OTHER INFORMATION: Peptide - FXR2P
 191 <400> SEQUENCE: 10
 193 Pro Gln Arg Arg Asn Arg Ser Arg Arg Arg Phe Arg Gly Gln
 194 1 5 10 15
 197 <210> SEQ ID NO: 11
 198 <211> LENGTH: 7
 199 <212> TYPE: PRT
 200 <213> ORGANISM: Artificial Sequence
 202 <220> FEATURE:
 203 <223> OTHER INFORMATION: Angiogenin
 205 <400> SEQUENCE: 11
 207 Ile Met Arg Arg Arg Gly Leu
 208 1 5
 211 <210> SEQ ID NO: 12
 212 <211> LENGTH: 11
 213 <212> TYPE: PRT
 214 <213> ORGANISM: Artificial Sequence
 216 <220> FEATURE:
 217 <223> OTHER INFORMATION: HIV-1 Rev
 219 <400> SEQUENCE: 12
 221 Leu Gln Leu Pro Pro Leu Glu Arg Leu Thr Leu

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Output Set: N:\CRF4\12072004\J700971B.raw

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225 <210> SEQ ID NO: 13
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231 <223> OTHER INFORMATION: PKI-alpha
233 <400> SEQUENCE: 13
235 Glu Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
236 1          5          10
239 <210> SEQ ID NO: 14
240 <211> LENGTH: 11
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: MAPKK
247 <400> SEQUENCE: 14
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250 1          5          10
253 <210> SEQ ID NO: 15
254 <211> LENGTH: 12
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Actin
261 <400> SEQUENCE: 15
263 Ala Leu Pro His Ala Ile Met Arg Leu Asp Leu Ala
264 1          5          10
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Simian virus 40 large tumor antigen
275 <400> SEQUENCE: 16
277 Pro Lys Lys Lys Arg Lys Val
278 1          5
281 <210> SEQ ID NO: 17
282 <211> LENGTH: 13
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Dermaseptin
289 <400> SEQUENCE: 17
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292 1          5          10
295 <210> SEQ ID NO: 18
296 <211> LENGTH: 4
297 <212> TYPE: PRT

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Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\12072004\J700971B.raw

298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Peptide
303 <400> SEQUENCE: 18
305 Lys Asp Glu Leu
306 1
308 <210> SEQ ID NO: 19
309 <211> LENGTH: 21
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: oligonucleotide
316 <400> SEQUENCE: 19
317 cgagagggcgg acgggaccgt t
320 <210> SEQ ID NO: 20
321 <211> LENGTH: 21
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: oligonucleotide
328 <400> SEQUENCE: 20
329 ttgctctccg cctgccctgg c
332 <210> SEQ ID NO: 21
333 <211> LENGTH: 21
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: oligonucleotide - cRaf targeter
340 <400> SEQUENCE: 21
341 augcaugca caggcgggat t
344 <210> SEQ ID NO: 22
345 <211> LENGTH: 21
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: oligonucleotide - cRaf targeter
352 <400> SEQUENCE: 22
353 ucccgccugu gacaugcaut t
356 <210> SEQ ID NO: 23
357 <211> LENGTH: 18
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
362 <223> OTHER INFORMATION: antisense oligonucleotide
364 <400> SEQUENCE: 23
365 tgggagccat agcgaggc
368 <210> SEQ ID NO: 24
369 <211> LENGTH: 20
370 <212> TYPE: DNA

PLS explain source of
genetic material.
See item
#11 on
error
Summary
Sheet.

Invalid
Response

21

21

21

21

18

VERIFICATION SUMMARY

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Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\12072004\J700971B.raw

17 M:270 C: Current Application Number differs, Replaced Current Application Number